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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

08/09/2004

ROBINSON INTELLECTUAL PROPERTY LAW OFFICE PMB 955 21010 SOUTHBANK STREET POTMAC FALLS, VA 20165 EXAMINER RAO, SHRINIVAS H

PAPER NUMBER

ART UNIT

DATE MAILED: 08/09/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
08/943 238	10/03/1997	MASAAKI HIROKI	0756-1724	9123	

TITLE OF INVENTION: METHOD OF MAKING AN ACTIVE-TYPE LCD WITH DIGITALLY GRADED DISPLAY

ſ	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$0	\$0	\$0	11/09/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL



Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax

(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

08/09/2004

ROBINSON INTELLECTUAL PROPERTY LAW OFFICE **PMB 955** 21010 SOUTHBANK STREET POTMAC FALLS, VA 20165

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name) (Signature) (Date

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nonprovisional	NO	\$0		\$0	\$0	11/09/2004
EXAM	MINER	ART UN	IT _	CLASS-SUBCLASS		
RAO, SHRINIVAS H 2814			438-030000			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the na or agents (2) the na registered 2 register	nting on the patent front page, limes of up to 3 registered paten OR, alternatively, me of a single firm (having as a attorney or agent) and the named patent attorneys or agents. If name will be printed.	a member a 2es of up to	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):			
☐ Issue Fee	☐ A check in the amount of the fee(s) is enclosed.			
☐ Publication Fee (No small entity discount permitted)	☐ Payment by credit card. Form PTO-2038 is attached.			
☐ Advance Order - # of Copies	☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, Deposit Account Number (enclose an extra copy of this form).			
5. Change in Entity Status (from status indicated above)				
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.	□ b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).			

interest as shown by the records of the United States Patent and Trademark Office. (Authorized Signature)

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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7:	590 08/09/2004	EXAM	EXAMINER		
ROBINSON INTELLECTUAL PROPERTY LAW OFFICE			RAO, SHR	RAO, SHRINIVAS H	
PMB 955					
21010 SOUTHBANK STREET			ART UNIT	PAPER NUMBER	
POTMAC FALLS, VA 20165			2814		

DATE MAILED: 08/09/2004

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Application No.	Applicant(s)					
08/943,238	HIROKI ET AL.					
Examiner	Art Unit					
Steven H. Rao	2814					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included berewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS INTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative if the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
e Examiner.						
of this communication to file a reply of this communication to file a reply of ENT of this application. Itted. Note the attached EXAMINER's reason(s) why the oath or declarate the submitted. It is not a the attached examined the submitted. It is Amendment / Comment or in the Office of the attached according to 37 CFR 1.121(content of the BIOLOGICAL MATERIAL in the attached in the submitted of the attached according to 37 CFR 1.121(content of the BIOLOGICAL MATERIAL in the attached according to 37 CFR 1.121(content of the attached examined according to 37 CF	national stage applicational stage application and stage applicati	quirements IOTICE OF				
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	Examiner Steven H. Rao Ars on the cover sheet with the cover of the appropriate communication is subject to and MPEP 1308. Examiner. der 35 U.S.C. § 119(a)-(d) or (f). been received. been received in Application No uments have been received in this in the communication. Itted. Note the attached EXAMINER's reason(s) why the oath or declarate is be submitted. On's Patent Drawing Review (PTO-1). Amendment / Comment or in the Communication of BIOLOGICAL MATERIAL in FOR THE DEPOSIT OF BIOLOGICAL MATERIAL in FOR THE DEPOSIT OF BIOLOGICAL MATERIAL in Examiner's Amendment of the communication of the drawing Review (PTO-1). 5. □ Notice of Informal Personal	D8/943,238 Examiner Steven H. Rao 2814 Art Unit Steven H. Rao 2814 Art Unit Art Unit Art Unit Art Unit Art Unit Art Init Art Unit Ar				

Application/Control Number: 08/943,238

Art Unit: 2814

Response to Amendment

Applicants' petition to withdraw from issue has been granted and the RCE filed request entered..

Therefore claims 41-110 as recited in the amendment of January 10, 200 are currently pending in the Application.

Information Disclosure Statement

All the IDs in the file including the IDS filed on February 04, 2004 (listing one U.S. and 3 Japanese patents) has been considered and the contract employees instructed to enclose a copy of the initialed PTO-1449s along with this Office Action.

Allowable Subject Matter

Claims 41 -110 are allowed.

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitation of the dependent claims, in such manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims (41, 51,61, 71, 81, 91 and 101) which include the method of forming an active matrix type display device including the steps of forming an organic leveling film over said semiconductor film after the patterning of the semiconductor film to provide a leveled upper surface and before forming an opening having a tapered configuration so that a diameter thereof is larger

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Art Unit: 2814

at an upper portion than at a lower portion of the opening and wherein the upper portion of the opening is rounded from a first point on said upper leveled surface of the leveling film to a second point inside the opening adjacent the upper opening and then forming a pixel electrode in the opening.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven H. Rao whose telephone number is (703) 3065945. The examiner can normally be reached on 8.00 to 5.00.

The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 3067722.

Steven H. Rao

Patent Examiner

August 05, 2004.